

101536963

JC06 Rec'd PCT/PTO 31 MAY 2005

SEQUENCE LISTING

<110> JURIDICAL FOUNDATION THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE
 <120> Novel Remedies for Diseases of abnormal neurotransmission
 <130> 664194
 <150> JP 2002-348714
 <151> 2002-11-29
 <160> 5

<210> 1
 <211> 362
 <212> PRT
 <213> Homo sapiens
 <220>
 <223> Xaa represents selenocysteine
 <400> 1

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Ser | Gln | Asp | Gln | Ser | Ser | Leu | Cys | Lys | Gln | Pro | Pro | Ala | Trp |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Ser | Ile | Arg | Asp | Gln | Asp | Pro | Met | Leu | Asn | Ser | Asn | Gly | Ser | Val |
| 16 | | | | 20 | | | | | 25 | | | | | 30 |
| Thr | Val | Val | Ala | Leu | Leu | Gln | Ala | Ser | Xaa | Tyr | Leu | Cys | Ile | Ile |
| 31 | | | | 35 | | | | | 40 | | | | | 45 |
| Glu | Ala | Ser | Lys | Leu | Glu | Asp | Leu | Arg | Val | Lys | Leu | Lys | Lys | Glu |
| 46 | | | | 50 | | | | | 55 | | | | | 60 |
| Gly | Tyr | Ser | Asn | Ile | Ser | Tyr | Ile | Val | Val | Asn | His | Gln | Gly | Ile |
| 61 | | | | 65 | | | | | 70 | | | | | 75 |
| Ser | Ser | Arg | Leu | Lys | Tyr | Thr | His | Leu | Lys | Asn | Lys | Val | Ser | Glu |
| 76 | | | | 80 | | | | | 85 | | | | | 90 |
| His | Ile | Pro | Val | Tyr | Gln | Gln | Glu | Glu | Asn | Gln | Thr | Asp | Val | Trp |
| 91 | | | | 95 | | | | | 100 | | | | | 105 |
| Thr | Leu | Leu | Asn | Gly | Ser | Lys | Asp | Asp | Phe | Leu | Ile | Tyr | Asp | Arg |
| 106 | | | | 110 | | | | | 115 | | | | | 120 |
| Cys | Gly | Arg | Leu | Val | Tyr | His | Leu | Gly | Leu | Pro | Phe | Ser | Phe | Leu |
| 121 | | | | 125 | | | | | 130 | | | | | 135 |
| Thr | Phe | Pro | Tyr | Val | Glu | Glu | Ala | Ile | Lys | Ile | Ala | Tyr | Cys | Glu |
| 136 | | | | 140 | | | | | 145 | | | | | 150 |
| Lys | Lys | Cys | Gly | Asn | Cys | Ser | Leu | Thr | Thr | Leu | Lys | Asp | Glu | Asp |
| 151 | | | | 155 | | | | | 160 | | | | | 165 |
| Phe | Cys | Lys | Arg | Val | Ser | Leu | Ala | Thr | Val | Asp | Lys | Thr | Val | Glu |
| 166 | | | | 170 | | | | | 175 | | | | | 180 |
| Thr | Pro | Ser | Pro | His | Tyr | His | His | Glu | His | His | His | Asn | His | Gly |
| 181 | | | | 185 | | | | | 190 | | | | | 195 |
| His | Gln | His | Leu | Gly | Ser | Ser | Glu | Leu | Ser | Glu | Asn | Gln | Gln | Pro |
| 196 | | | | 200 | | | | | 205 | | | | | 210 |
| Gly | Ala | Pro | Asn | Ala | Pro | Thr | His | Pro | Ala | Pro | Pro | Gly | Leu | His |
| 211 | | | | 215 | | | | | 220 | | | | | 225 |
| His | His | His | Lys | His | Lys | Gly | Gln | His | Arg | Gln | Gly | His | Pro | Glu |
| 226 | | | | 230 | | | | | 235 | | | | | 240 |
| Asn | Arg | Asp | Met | Pro | Ala | Ser | Glu | Asp | Leu | Gln | Asp | Leu | Gln | Lys |
| 241 | | | | 245 | | | | | 250 | | | | | 255 |
| Lys | Leu | Cys | Arg | Lys | Arg | Cys | Ile | Asn | Gln | Leu | Leu | Cys | Lys | Leu |
| 256 | | | | 260 | | | | | 265 | | | | | 270 |
| Pro | Thr | Asp | Ser | Glu | Leu | Ala | Pro | Arg | Ser | Xaa | Cys | Cys | His | Cys |
| 271 | | | | 275 | | | | | 280 | | | | | 285 |
| Arg | His | Leu | Ile | Phe | Glu | Lys | Thr | Gly | Ser | Ala | Ile | Thr | Xaa | Gln |

| | | | |
|-----------------|---------------------|---------------------|-----|
| 286 | 290 | 295 | 300 |
| Cys Lys Glu Asn | Leu Pro Ser Leu Cys | Ser Xaa Gln Gly Leu | Arg |
| 301 | 305 | 310 | 315 |
| Ala Glu Glu Asn | Ile Thr Glu Ser Cys | Gln Xaa Arg Leu Pro | Pro |
| 316 | 320 | 325 | 330 |
| Ala Ala Xaa Gln | Ile Ser Gln Gln Leu | Ile Pro Thr Glu Ala | Ser |
| 331 | 335 | 340 | 345 |
| Ala Ser Xaa Arg | Xaa Lys Asn Gln Ala | Lys Lys Xaa Glu Xaa | Pro |
| 346 | 350 | 355 | 360 |
| Ser Asn | | | |
| 361 | | | |

<210> 2
 <211> 103
 <212> PRT
 <213> Homo sapiens
 <220>
 <223> Xaa represents selenocysteine
 <400> 2

| | | |
|-----------------|---------------------|-------------------------|
| Lys Arg Cys Ile | Asn Gln Leu Leu Cys | Lys Leu Pro Thr Asp Ser |
| 1 | 5 | 10 15 |
| Glu Leu Ala Pro | Arg Ser Xaa Cys Cys | His Cys Arg His Leu Ile |
| 16 | 20 | 25 30 |
| Phe Glu Lys Thr | Gly Ser Ala Ile Thr | Xaa Gln Cys Lys Glu Asn |
| 31 | 35 | 40 45 |
| Leu Pro Ser Leu | Cys Ser Xaa Gln Gly | Leu Arg Ala Glu Glu Asn |
| 46 | 50 | 55 60 |
| Ile Thr Glu Ser | Cys Gln Xaa Arg Leu | Pro Pro Ala Ala Xaa Gln |
| 61 | 65 | 70 75 |
| Ile Ser Gln Gln | Leu Ile Pro Thr Glu | Ala Ser Ala Ser Xaa Arg |
| 76 | 80 | 85 90 |
| Xaa Lys Asn Gln | Ala Lys Lys Xaa Glu | Xaa Pro Ser Asn |
| 91 | 95 | 100 |

<210> 3
 <211> 33
 <212> PRT
 <213> Homo sapiens
 <220>
 <223> Xaa represents selenocysteine
 <400> 3

| | | |
|-----------------|---------------------|-------------------------|
| Lys Arg Cys Ile | Asn Gln Leu Leu Cys | Lys Leu Pro Thr Asp Ser |
| 1 | 5 | 10 15 |
| Glu Leu Ala Pro | Arg Ser Xaa Cys Cys | His Cys Arg His Leu Ile |
| 16 | 20 | 25 30 |
| Phe Glu Lys | | |
| 31 | | |

<210> 4
 <211> 29
 <212> PRT
 <213> Homo sapiens
 <220>
 <223> Xaa represents selenocysteine

<400> 4

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Arg | Cys | Ile | Asn | Gln | Leu | Leu | Cys | Lys | Leu | Pro | Thr | Asp | Ser |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Glu | Leu | Ala | Pro | Arg | Ser | Xaa | Cys | Cys | His | Cys | Arg | His | Leu | |
| 16 | | | | 20 | | | | | 25 | | | | | |

<210> 5

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<223> Xaa represents selenocysteine

<400> 5

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Thr | Gly | Ser | Ala | Ile | Thr | Xaa | Gln | Cys | Lys | Glu | Asn | Leu | Pro | Ser |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| Leu | Cys | Ser | Xaa | Gln | Gly | Leu | Arg | Ala | Glu | Glu | Asn | Ile | | |
| 16 | | | | 20 | | | | | 25 | | | | | |